

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b> <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	LS5-001
	First Named Inventor	Liu
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/643,752
	Filing Date	August 19, 2003
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR

☒ was filed on 08/19/2003 as United States Application Serial Number or PCT International (MM/DD/YYYY)

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES <input type="checkbox"/>	NO <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



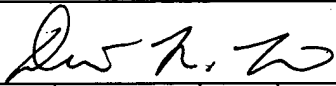
*Place Customer  
Number Bar Code  
Label Here*

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Occek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to:

Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
David R.					Liu				
Inventor's Signature							Date	10/30/03	
Residence	City	Lexington	State	MA	Country	US	Citizenship	US	
Mailing Address	1 Fox Run Lane								
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Country	US	
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.									
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Zev J.					Gartner				
Inventor's Signature							Date		
Residence	City	Somerville	State	MA	Country	US	Citizenship	US	
Mailing Address	66 Dimick Street, #1								
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Jeffrey B.					Doyon				
Inventor's Signature							Date		
Residence	City	Allston	State	MA	Country	US	Citizenship	US	
Mailing Address	71 Aldie Street, #3								
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country	US	

<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Christopher T.				Calderone			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	6 Plymouth Street, #1						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country
						US	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Matthew W.				Kanan			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	44 Langdon Street						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country
						US	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Xiaoyu				Li			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	22 Marcella Street, #3						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country
						US	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Thomas M.				Snyder			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	70 Kirkland Street, #9						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country
						US	

<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
<b>Given Name (first and middle [if any])</b>				<b>Family Name or Surname</b>				
Daniel M.				Rosenbaum				
<b>Inventor's Signature</b>						<b>Date</b>		
<b>Residence</b>	<b>City</b>	Somerville	<b>State</b>	MA	<b>Country</b>	US	<b>Citizenship</b>	US
<b>Mailing Address</b>	69 Beacon Street, #3							
<b>Mailing Address (ln. 2)</b>	<b>City</b>	Somerville	<b>State</b>	MA	<b>ZIP</b>	02143	<b>Country</b>	US

2699225

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b> <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	LS5-001
	First Named Inventor	Liu
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/643,752
	Filing Date	August 19, 2003
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on  
(MM/DD/YYYY)

08/19/2003

as United States Application Serial Number or PCT International

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



Place Customer  
Number Bar Code  
Label Here

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Occek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		

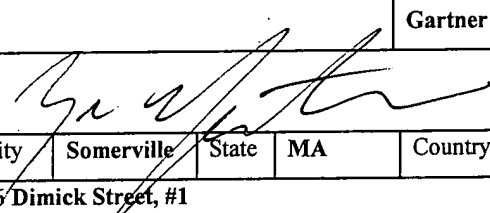
☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])						Family Name or Surname			
David R.						Liu			
Inventor's Signature							Date		
Residence	City	Lexington	State	MA	Country	US	Citizenship	US	
Mailing Address		1 Fox Run Lane							
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Country	US	
<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.									
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])						Family Name or Surname			
Zev J.						Gartner			
Inventor's Signature							Date		10.30.3
Residence	City	Somerville	State	MA	Country	US	Citizenship	US	
Mailing Address		66 Dimick Street, #1							
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])						Family Name or Surname			
Jeffrey B.						Doyon			
Inventor's Signature							Date		
Residence	City	Allston	State	MA	Country	US	Citizenship	US	
Mailing Address		71 Aldie Street, #3							
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country	US	

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	6 Plymouth Street, #1							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	44 Langdon Street							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address	22 Marcella Street, #3							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M.				Snyder				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	70 Kirkland Street, #9							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Declaration and Power of Attorney for Utility or Design Patent Application

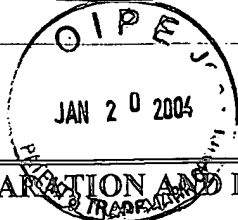
Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 5 of 5

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Daniel M.				Rosenbaum			
Inventor's Signature						Date	
Residence	City	Somerville	State	MA	Country	US	Citizenship
Mailing Address	69 Beacon Street, #3						
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country
							US

2699225



Express Mail Mailing Label No. EL932952135US

**DECLARATION AND POWER  
OF ATTORNEY FOR UTILITY****OR DESIGN****PATENT APPLICATION**

☐ Declaration      ☒ Declaration  
Submitted with      Submitted after Initial  
Initial Filing      Filing (surcharge  
37 CFR 1.16(e) required)

Attorney Docket No. LS5-001

First Named Inventor Liu

**COMPLETE IF KNOWN**

Application Serial Number 10/643,752

Filing Date August 19, 2003

Group Art Unit Not yet assigned

Examiner Name Not yet assigned

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

*(Title of the Invention)*

the specification of which

☐ is attached hereto  
OR☒ was filed on 08/19/2003 as United States Application Serial Number or PCT International  
(MM/DD/YYYY)

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

**DECLARATION – Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



Place Customer  
Number Bar Code  
Label Here

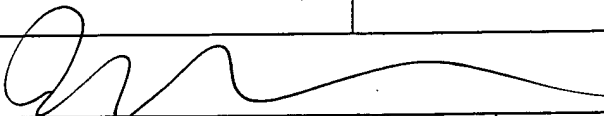
Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Occek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

Declaration and Power of Attorney for Utility or Design Patent Application  
Serial No. 10/643,752  
Atty. Docket No. LS5-001  
Page 3 of 5

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
David R.					Liu					
Inventor's Signature							Date			
Residence		City	Lexington	State	MA	Country	US	Citizenship	US	
Mailing Address		1 Fox Run Lane								
Mailing Address (ln. 2)		City	Lexington	State	MA	ZIP	02420	Country	US	
<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.										
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner					
Inventor's Signature							Date			
Residence		City	Somerville	State	MA	Country	US	Citizenship	US	
Mailing Address		66 Dimick Street, #1								
Mailing Address (ln. 2)		City	Somerville	State	MA	ZIP	02143	Country	US	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey B.					Doyon					
Inventor's Signature							Date		10-30-03	
Residence		City	Allston	State	MA	Country	US	Citizenship	US	
Mailing Address		71 Aldie Street, #3								
Mailing Address (ln. 2)		City	Allston	State	MA	ZIP	02134	Country	US	

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Christopher T.				Calderone			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	6 Plymouth Street, #1						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Matthew W.				Kanan			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	44 Langdon Street						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Xiaoyu				Li			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	22 Marcella Street, #3						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Thomas M.				Snyder			
Inventor's Signature						Date	
Residence	City	Cambridge	State	MA	Country	US	Citizenship
Mailing Address	70 Kirkland Street, #9						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Daniel M.				Rosenbaum			
Inventor's Signature						Date	
Residence	City	Somerville	State	MA	Country	US	Citizenship
Mailing Address	69 Beacon Street, #3						
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country
							US

2699225



JAN 20 2004

Express Mail Mailing Label No. EL932952135US

# DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN

## PATENT APPLICATION

☐ Declaration      ☒ Declaration  
Submitted with      Submitted after Initial  
Initial Filing      Filing (surcharge  
37 CFR 1.16(e) required)

Attorney Docket No. LS5-001

First Named Inventor Liu

### COMPLETE IF KNOWN

Application Serial Number 10/643,752

Filing Date August 19, 2003

Group Art Unit Not yet assigned

Examiner Name Not yet assigned

### As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on  
(MM/DD/YYYY)

08/19/2003

as United States Application Serial Number or PCT International

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

# Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number  → 

Place Customer  
Number Bar Code  
Label Here

OR

☒ Registered practitioner(s) name/registration number listed below


Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Oczech	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
David R.					Liu					
Inventor's Signature							Date			
Residence	City	Lexington	State	MA	Country	US	Citizenship	US		
Mailing Address	1 Fox Run Lane									
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Country	US		
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.										
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner					
Inventor's Signature							Date			
Residence	City	Somerville	State	MA	Country	US	Citizenship	US		
Mailing Address	66 Dimick Street, #1									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US		
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey B.					Doyon					
Inventor's Signature							Date			
Residence	City	Allston	State	MA	Country	US	Citizenship	US		
Mailing Address	71 Aldie Street, #3									
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country	US		

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature					Date		10/30/03	
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		6 Plymouth Street, #1						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		44 Langdon Street						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address		22 Marcella Street, #3						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M.				Snyder				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		70 Kirkland Street, #9						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 5 of 5

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Daniel M.				Rosenbaum			
Inventor's Signature						Date	
Residence		City	Somerville	State	MA	Country	US
Mailing Address		69 Beacon Street, #3					
Mailing Address (ln. 2)		City	Somerville	State	MA	ZIP	02143
						Country	US

2699225

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b> <b>PATENT APPLICATION</b> <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	LS5-001
	First Named Inventor	Liu
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/643,752
	Filing Date	August 19, 2003
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

*(Title of the Invention)*

the specification of which

☐ is attached hereto

OR

☒ was filed on  
(MM/DD/YYYY)

08/19/2003

as United States Application Serial Number or PCT International

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

**DECLARATION – Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number  → Place Customer  
Number Bar Code  
Label Here

OR

☒ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Occek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

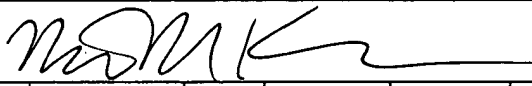
Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
David R.					Liu					
Inventor's Signature							Date			
Residence	City	Lexington	State	MA	Country	US	Citizenship	US		
Mailing Address	1 Fox Run Lane									
Mailing Address (In. 2)	City	Lexington	State	MA	ZIP	02420	Country	US		
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.										
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner					
Inventor's Signature							Date			
Residence	City	Somerville	State	MA	Country	US	Citizenship	US		
Mailing Address	66 Dimick Street, #1									
Mailing Address (In. 2)	City	Somerville	State	MA	ZIP	02143	Country	US		
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey B.					Doyon					
Inventor's Signature							Date			
Residence	City	Allston	State	MA	Country	US	Citizenship	US		
Mailing Address	71 Aldie Street, #3									
Mailing Address (In. 2)	City	Allston	State	MA	ZIP	02134	Country	US		



Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		6 Plymouth Street, #1						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature					Date		10/30/03	
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		44 Langdon Street						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address		22 Marcella Street, #3						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M.				Snyder				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		70 Kirkland Street, #9						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 5 of 5

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Daniel M.				Rosenbaum			
Inventor's Signature						Date	
Residence	City	Somerville	State	MA	Country	US	Citizenship
Mailing Address	69 Beacon Street, #3						
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country
							US

2699225

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b>		Attorney Docket No.	LS5-001
		First Named Inventor	Liu
<input type="checkbox"/> Declaration Submitted with Initial Filing  <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge 37 CFR 1.16(e) required)		<b>COMPLETE IF KNOWN</b>	
		Application Serial Number	10/643,752
		Filing Date	August 19, 2003
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

*(Title of the Invention)*

the specification of which

☐ is attached hereto  
OR

☒ was filed on 08/19/2003 as United States Application Serial Number or PCT International (MM/DD/YYYY)

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



Place Customer  
Number Bar Code  
Label Here


Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Oczek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
David R.					Liu					
Inventor's Signature							Date			
Residence	City	Lexington	State	MA	Country	US	Citizenship	US		
Mailing Address		1 Fox Run Lane								
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Country	US		
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.										
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner					
Inventor's Signature							Date			
Residence	City	Somerville	State	MA	Country	US	Citizenship	US		
Mailing Address		66 Dimick Street, #1								
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US		
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey B.					Doyon					
Inventor's Signature							Date			
Residence	City	Allston	State	MA	Country	US	Citizenship	US		
Mailing Address		71 Aldie Street, #3								
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country	US		

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	6 Plymouth Street, #1							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	44 Langdon Street							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature					Date		10/30/03	
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address	22 Marcella Street, #3							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M.				Snyder				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	70 Kirkland Street, #9							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Daniel M.				Rosenbaum			
Inventor's Signature						Date	
Residence	City	Somerville	State	MA	Country	US	Citizenship
Mailing Address	69 Beacon Street, #3						
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country
							US

2699225

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b>  <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	LS5-001
	First Named Inventor	Liu
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/643,752
	Filing Date	August 19, 2003
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

*(Title of the Invention)*

the specification of which

☐ is attached hereto  
OR☒ was filed on 08/19/2003 as United States Application Serial Number or PCT International  
(MM/DD/YYYY)

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003



## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



Place Customer  
Number Bar Code  
Label Here

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Oczek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		

☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 3 of 5

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
David R.					Liu					
Inventor's Signature							Date			
Residence		City	Lexington	State	MA	Country	US	Citizenship	US	
Mailing Address		1 Fox Run Lane								
Mailing Address (ln. 2)		City	Lexington	State	MA	ZIP	02420	Country	US	
<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.										
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner					
Inventor's Signature							Date			
Residence		City	Somerville	State	MA	Country	US	Citizenship	US	
Mailing Address		66 Dimick Street, #1								
Mailing Address (ln. 2)		City	Somerville	State	MA	ZIP	02143	Country	US	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey B.					Doyon					
Inventor's Signature							Date			
Residence		City	Allston	State	MA	Country	US	Citizenship	US	
Mailing Address		71 Aldie Street, #3								
Mailing Address (ln. 2)		City	Allston	State	MA	ZIP	02134	Country	US	

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	6 Plymouth Street, #1							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	44 Langdon Street							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature					Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address	22 Marcella Street, #3							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M. <i>Thomas M.</i>				Snyder <i>Snyder</i>				
Inventor's Signature					Date		10/30/03	
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address	70 Kirkland Street, #9							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US

Declaration and Power of Attorney for Utility or Design Patent Application  
Serial No. 10/643,752  
Atty. Docket No. LS5-001  
Page 5 of 5

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname					
Daniel M.				Rosenbaum					
Inventor's Signature						Date			
Residence		City	Somerville	State	MA	Country	US	Citizenship	US
Mailing Address		69 Beacon Street, #3							
Mailing Address (ln. 2)		City	Somerville	State	MA	ZIP	02143	Country	US

2699225

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b> <b>PATENT APPLICATION</b> <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	LS5-001
	First Named Inventor	Liu
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/643,752
	Filing Date	August 19, 2003
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EVOLVING NEW MOLECULAR FUNCTION

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR

☒ was filed on 08/19/2003 as United States Application Serial Number or PCT International (MM/DD/YYYY)

Application Number 10/643,752 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES <input type="checkbox"/>	NO <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)
60/404,395	08/19/2002
60/419,667	10/18/2002
60/432,812	12/11/2002
60/444,770	02/04/2003
60/457,789	03/26/2003
60/469,866	05/12/2003
60/479,494	06/18/2003

# Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

## DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below



Place Customer  
Number Bar Code  
Label Here

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
John V. Bianco	36,748	Douglas J. Kline	35,574
Robert S. Blasi	50,389	M. Brad Lawrence	47,210
Michael H. Brodowski	41,640	William A. Meunier	41,193
Jennifer A. Camacho	43,526	Thomas C. Meyers	36,989
Joseph A. Capraro, Jr.	36,471	Jennifer G. Moitoso	51,752
Fangli Chen	51,551	Ronda P. Moore	44,244
Christopher H. Chung	50,351	Jeremy P. Oczek	50,794
John J. Cotter	38,116	Jamie H. Rose	45,054
James C. De Vellis	52,814	Christopher W. Stamos	35,370
Robert V. Donahoe	46,667	Diana M. Steel	43,153
Brian A. Fairchild	48,645	Robert J. Tosti	35,393
James E. Fajkowski	54,089	Thomas A. Turano	35,722
Jason P. Fiorillo	52,892	Natasha C. Us	44,381
John V. Forcier	42,545	Christine C. Vito	39,061
Steven J. Frank	33,497	Daniel A. Wilson	45,508
Kia L. Freeman	47,577	Gerald E. Worth	45,238
Brian M. Gaff	44,691		
Edward A. Gordon	54,130		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])						Family Name or Surname				
David R.						Liu				
Inventor's Signature							Date			
Residence	City	Lexington	State	MA	Country	US	Citizenship	US		
Mailing Address	1 Fox Run Lane									
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Country	US		
<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.										
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])						Family Name or Surname				
Zev J.						Gartner				
Inventor's Signature							Date			
Residence	City	Somerville	State	MA	Country	US	Citizenship	US		
Mailing Address	66 Dimick Street, #1									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US		
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any])						Family Name or Surname				
Jeffrey B.						Doyon				
Inventor's Signature							Date			
Residence	City	Allston	State	MA	Country	US	Citizenship	US		
Mailing Address	71 Aldie Street, #3									
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country	US		

## Declaration and Power of Attorney for Utility or Design Patent Application

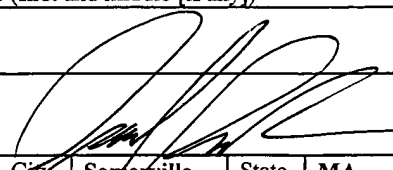
Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 4 of 5

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Christopher T.				Calderone				
Inventor's Signature				Date				
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		6 Plymouth Street, #1						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Matthew W.				Kanan				
Inventor's Signature				Date				
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		44 Langdon Street						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Xiaoyu				Li				
Inventor's Signature				Date				
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People's Republic of China
Mailing Address		22 Marcella Street, #3						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Thomas M.				Snyder				
Inventor's Signature				Date				
Residence	City	Cambridge	State	MA	Country	US	Citizenship	US
Mailing Address		70 Kirkland Street, #9						
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country	US



Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])				Family Name or Surname				
Daniel M.				Rosenbaum				
Inventor's Signature						Date 11/3/03		
Residence	City	Somerville	State	MA	Country	US	Citizenship	US
Mailing Address	69 Beacon Street, #3							
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country	US

2699225